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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/594,939	08/02/2007	Haruo Sugiyama	14875-168US1 C1-A0401P-US	9482
26161 FISH & RICHA	7590 02/18/201 ARDSON PC	EXAMINER		
P.O. BOX 1022		GIBBS, TERRA C		
MINNEAPOLIS, MN 55440-1022			ART UNIT	PAPER NUMBER
			1635	
			NOTIFICATION DATE	DELIVERY MODE
			02/18/2010	ELECTRONIC

## Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PATDOCTC@fr.com

	Application No.	Applicant(s)			
	10/594,939	SUGIYAMA ET AL.			
Office Action Summary	Examiner	Art Unit			
	TERRA C. GIBBS	1635			
The MAILING DATE of this communication ap	ppears on the cover sheet with	the correspondence address			
Period for Reply	LVIO OET TO EVDIDE (MON	NITH (O) OF THEFTY (OO) PAYO			
A SHORTENED STATUTORY PERIOD FOR REPWHICHEVER IS LONGER, FROM THE MAILING I  - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory perior Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICA 1.136(a). In no event, however, may a reply d will apply and will expire SIX (6) MONTH ute, cause the application to become ABAN	TION. y be timely filed S from the mailing date of this communication. IDONED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 21	<u>July 2009</u> .				
·	a) This action is <b>FINAL</b> . 2b) This action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D. 1	11, 453 O.G. 213.			
Disposition of Claims					
4)⊠ Claim(s) <u>21-52</u> is/are pending in the application.					
4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) 21-52 are subject to restriction and/	or election requirement.				
Application Papers					
9) The specification is objected to by the Examir	ner.				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the	e drawing(s) be held in abeyance	e. See 37 CFR 1.85(a).			
Replacement drawing sheet(s) including the corre					
11)☐ The oath or declaration is objected to by the E	Examiner. Note the attached C	Office Action or form PTO-152.			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:					
1. Certified copies of the priority documents have been received.					
2. Certified copies of the priority documents have been received in Application No					
3. Copies of the certified copies of the pri	•	ceived in this National Stage			
application from the International Bure  * See the attached detailed Office action for a lis		coived			
See the attached detailed Office action for a lis	st of the certified copies flot fe	ocivea.			
Attachment(s)					
1) Notice of References Cited (PTO-892)		nmary (PTO-413)			
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)		Mail Date rmal Patent Application			
Paper No(s)/Mail Date	6) 🔲 Other:				

## **DETAILED ACTION**

This Office Action is a response to Applicant's Amendment and Remarks filed July 21, 2009.

Claims 1-20 have been canceled. New claims 21-52 are acknowledged.

Claims 21-52 are pending in the instant application.

Claims 21-52 are subject to restriction as detailed below:

## Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 25, 32, and 37, drawn to an siRNA molecule comprising a sense strand hybridized to an antisense strand, wherein the antisense strand targets a region in a 17AA site of a Wilms' tumor gene transcript, wherein the siRNA suppresses cell growth, and wherein the sense strand comprises SEQ ID NO:1, classifiable in class 536, subclass 24.5, for example.
- II. Claims 26, 33, and 38, drawn to an siRNA molecule comprising a sense strand hybridized to an antisense strand, wherein the antisense strand targets a region in a 17AA site of a Wilms' tumor gene transcript, wherein the siRNA suppresses cell growth, and wherein the sense strand comprises SEQ ID NO:11, classifiable in class 536, subclass 24.5, for example.

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Claims 21-24, 27-31, 34-36, and 39-52 links the inventions of Groups I and II. The restriction requirement between the linked inventions is subject to the nonallowance of the linking claims, claims 21-24, 27-31, 34-36, and 39-52. Upon the allowance of the linking claim(s), the restriction requirement as to the linked inventions shall be withdrawn and any claim(s) depending from or otherwise including all the limitations of the allowable linking claim(s) will be entitled to examination in the instant application. Applicant(s) are advised that if any such claim(s) depending from or including all the limitations of the allowable linking claim(s) is/are presented in a continuation or divisional application, the claims of the continuation or divisional application may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application. Where a restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. *In re Ziegler*, 44 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

The inventions are distinct, each from the other because of the following reasons: Searching the inventions of Groups I and II together would impose a serious search burden. Although the siRNA molecules of Groups I and II are related because they are both an siRNA molecule comprising a sense strand hybridized to an antisense strand, wherein the antisense strand targets a region in a 17AA site of a Wilms' tumor gene transcript, wherein the siRNA suppresses cell growth, they are patentably distinct from each other. Although there are no provisions under the section for "Relationship of Inventions" in MPEP 806.05 for inventive groups that are directed to related

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compositions, restriction is deemed to be proper because these siRNA molecules appear to constitute patentably distinct inventions for the following reasons: They are different molecules with different chemical and physical structures so that independent searches of the prior art would be required that would constitute a serious burden on the Examiner. For example, a search of the siRNA molecule comprising a sense strand hybridized to an antisense strand, wherein the antisense strand targets a region in a 17AA site of a Wilms' tumor gene transcript, wherein the siRNA suppresses cell growth, and wherein the sense strand comprises SEQ ID NO:1 of Group I would not necessarily encompass all of the art relevant to the siRNA molecule comprising a sense strand hybridized to an antisense strand, wherein the antisense strand targets a region in a 17AA site of a Wilms' tumor gene transcript, wherein the siRNA suppresses cell growth, and wherein the sense strand comprises SEQ ID NO:11 of Group II. They are materially distinct siRNA molecules, with distinct sense strands. Because Groups I and II are materially distinct siRNA molecules, with distinct sense strands, the inventions require a different field of search (for example, employing different nucleic acid search queries) and the prior art applicable to one invention would not likely be applicable to another invention.

Furthermore, searching the inventions of Groups I and II would impose a serious search burden because the inventions of Groups I and II are unrelated, each from the other. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case, the invention of

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Groups I and II are unrelated and distinct because they are materially distinct siRNA molecules such that independent nucleic acid searches of the prior art would be required that would constitute a serious burden on the Examiner. For example, a search of Group I would require a search in the nucleic acid art for sequences comprising SEQ ID NO:1, while a search of Group II would require a search in the nucleic acid art for sequences comprising SEQ ID NO:11. It is noted that both SEQ ID NO:1 and SEQ ID NO:11 are sense strand sequences, however mutations were inserted into the sense strand sequence of SEQ ID NO:11, therefore making this sequence uniquely different and distinct from SEQ ID NO:1. Since the search for Group I is not entirely coextensive with a search for Group II, it would be burdensome to search the inventions of these Groups together in one application. It is therefore a burden to search the inventions of Group I together with the invention of Group II in a single application.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

Restriction for examination purposes as indicated is proper because all these inventions listed in this action are independent or distinct for the reasons given above <u>and</u> there would be a serious search and examination burden if restriction were not required because one or more of the following reasons apply:

- (a) the inventions have acquired a separate status in the art in view of their different classification;
- (b) the inventions have acquired a separate status in the art due to their recognized divergent subject matter;

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(c) the inventions require a different field of search (for example, searching different classes/subclasses or electronic resources, or employing different search queries);

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- (d) the prior art applicable to one invention would not likely be applicable to another invention:
- (e) the inventions are likely to raise different non-prior art issues under 35 U.S.C. 101 and/or 35 U.S.C. 112, first paragraph.

Applicant is advised that the reply to this requirement to be complete <u>must</u> include (i) an election of a invention to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse. Traversal must be presented at the time of election in order to be considered timely. Failure to timely traverse the requirement will result in the loss of right to petition under 37 CFR 1.144. If claims are added after the election, applicant must indicate which of these claims are readable on the elected invention.

If claims are added after the election, applicant must indicate which of these claims are readable upon the elected invention.

Should applicant traverse on the ground that the inventions are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(I).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Terra C. Gibbs whose telephone number is 571-272-0758. The examiner can normally be reached from 9 am - 5 pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tracy Vivlemore can be reached on 571-272-2914. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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For all other customer support, please call the USPTO Call Center (UCC) at 800-786-9199.

February 10, 2010 /Terra Cotta Gibbs/